

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056247.D
 Acq On : 12 Jun 2019 14:34
 Operator : JC/SP
 Sample : K3315-06 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20190607

Quant Time: Jun 13 04:32:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

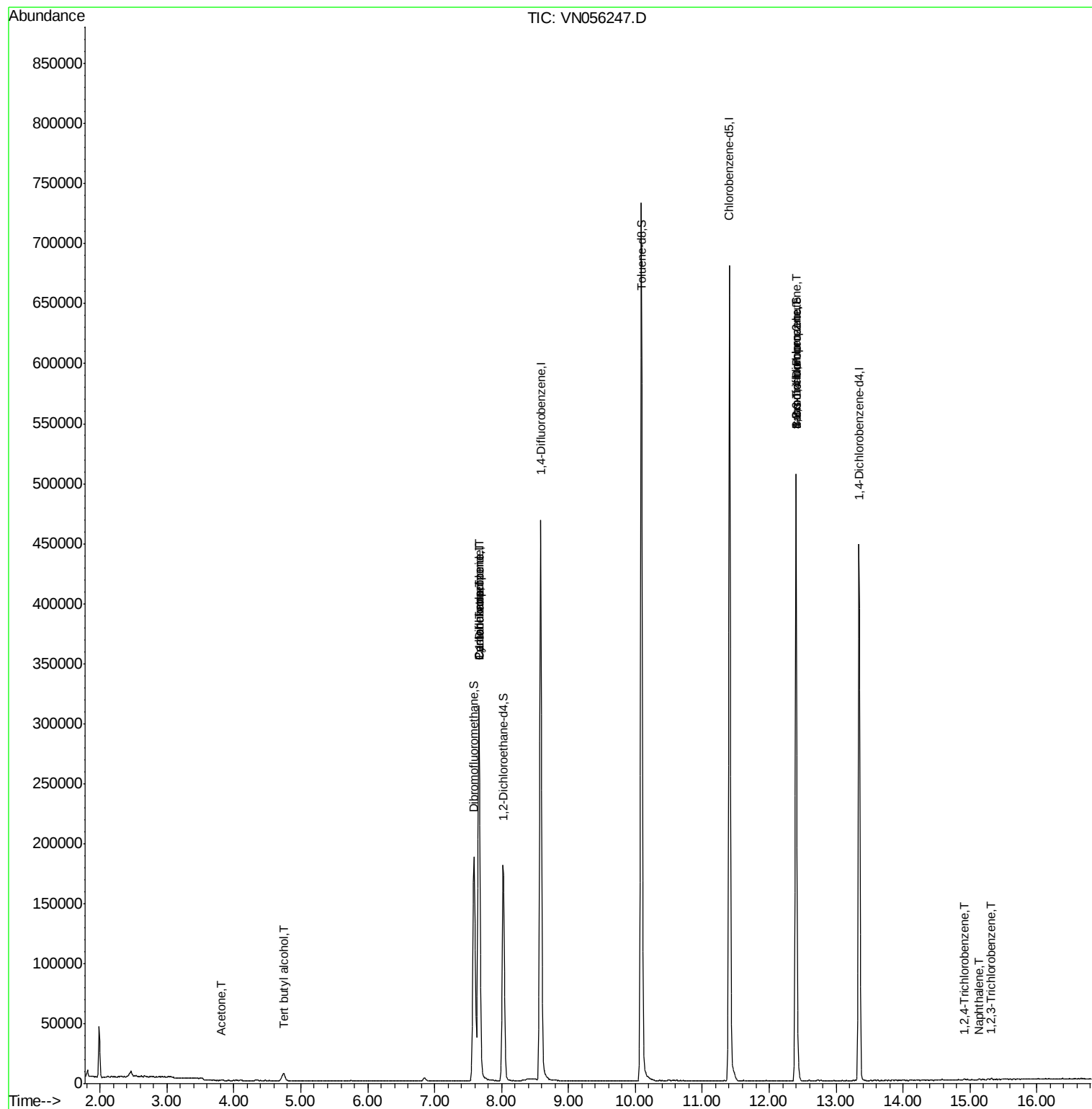
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	302099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	455653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142045	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	151350	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	145131	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
50) Toluene-d8	10.09	98	547804	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	174023	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	6334	12.134	ug/l #	74
16) Acetone	3.82	43	567	0.395	ug/l #	41
18) Methyl Acetate	4.32	43	585	Below Cal	#	51
31) Cyclohexane	7.66	56	4280	0.899	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17078	4.359	ug/l #	49
38) Carbon Tetrachloride	7.66	117	25017	6.926	ug/l #	14
71) Bromoform	12.40	173	1324	3.234	ug/l #	1
73) Isopropylbenzene	12.40	105	114	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	81775	31.287	ug/l #	100
79) 2-Chlorotoluene	12.68	91	63	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	81775	104.192	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	406	4.412	ug/l #	66
95) Naphthalene	15.14	128	892	3.972	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	559	3.228	ug/l #	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

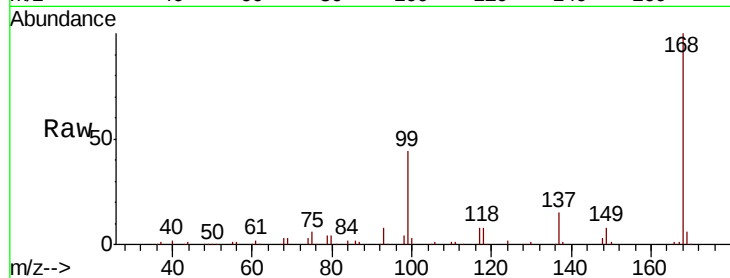
DUP04-20190607

Tot Ion:168 Resp: 302099

Ion Ratio Lower Upper

168 100

99 44.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

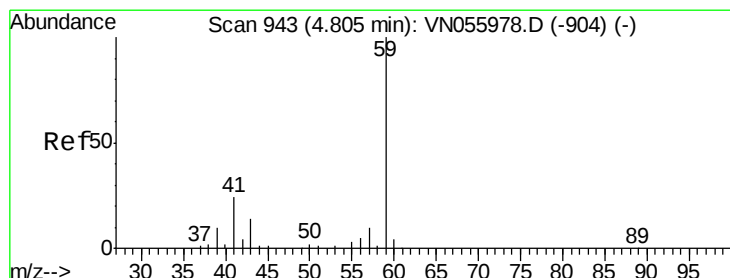
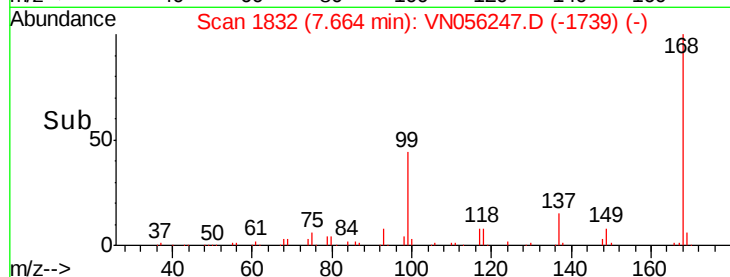
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 12.134 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.07 min

Lab File: VN056247.D

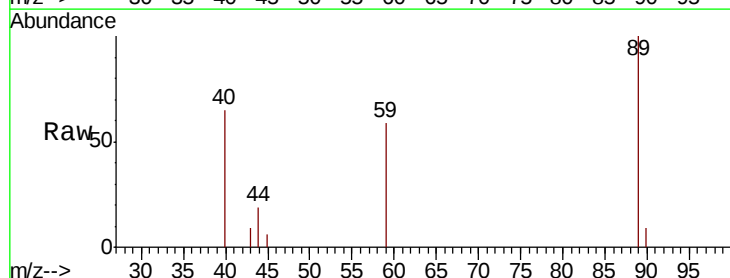
Acq: 12 Jun 2019 14:34

Tgt Ion: 59 Resp: 6334

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

2000

1500

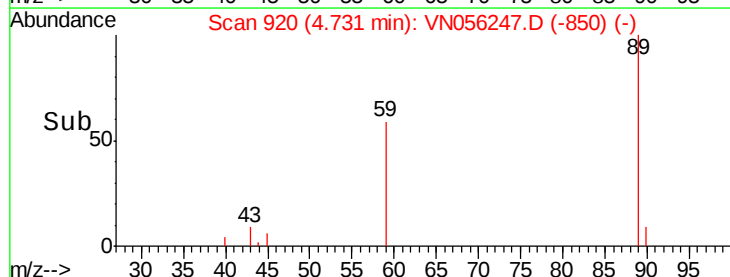
1000

500

0

Time-->

4.65 4.70 4.75 4.80





#16

Acetone

Concen: 0.395 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

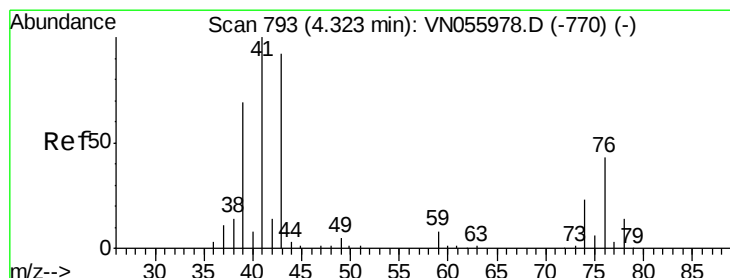
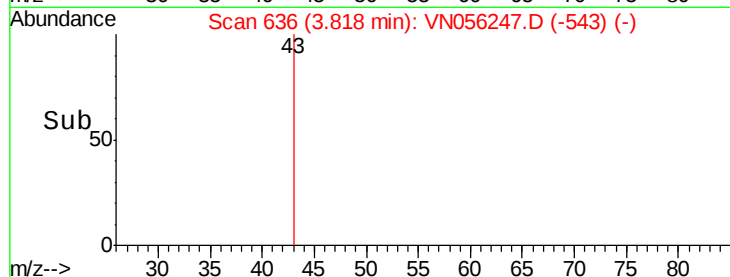
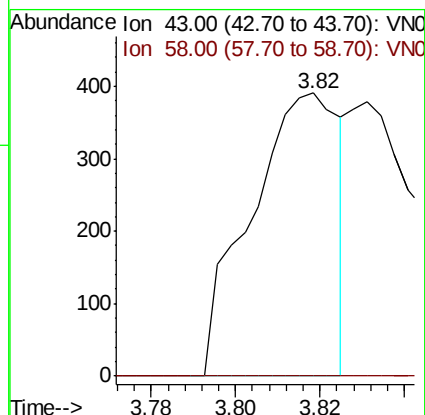
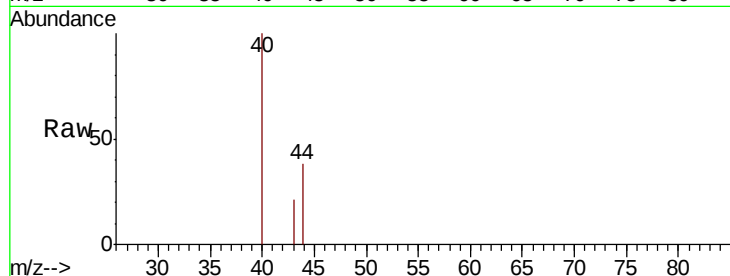
DUP04-20190607

Tot Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056247.D

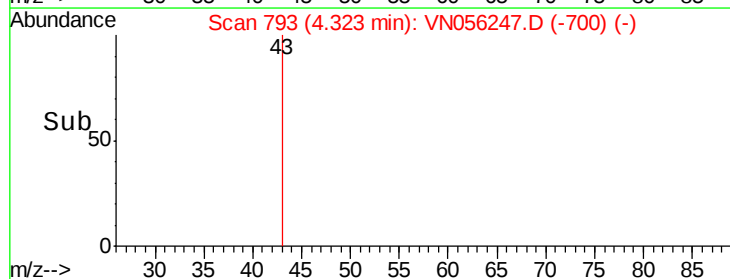
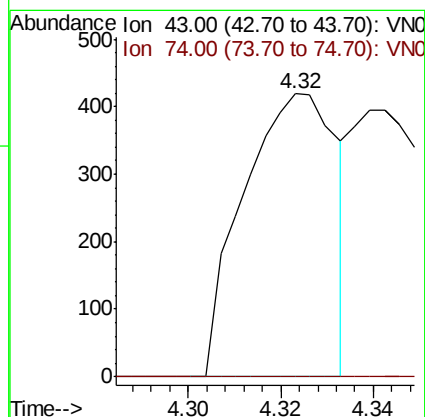
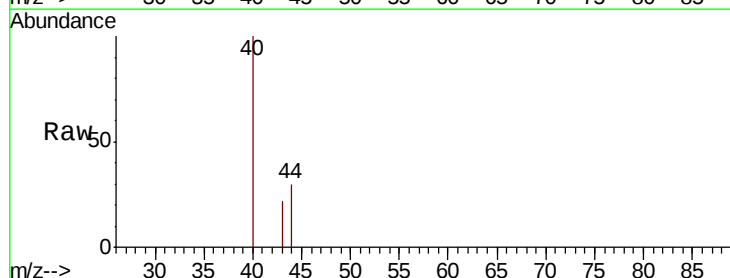
Acq: 12 Jun 2019 14:34

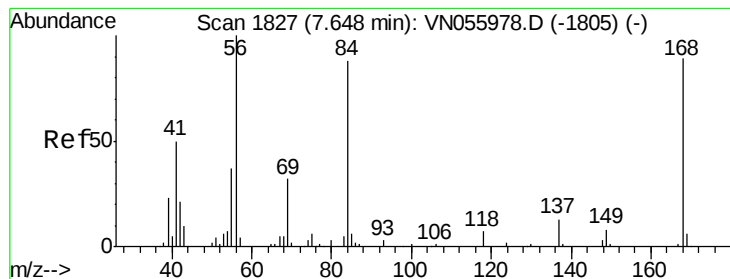
Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#





#31

Cyclohexane

Concen: 0.899 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190607

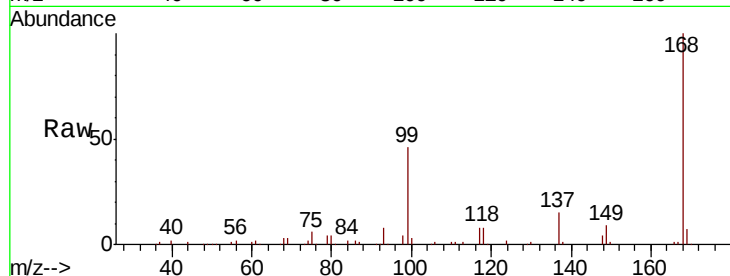
Tot Ion: 56 Resp: 4280

Ion Ratio Lower Upper

56 100

69 178.9 25.6 38.4#

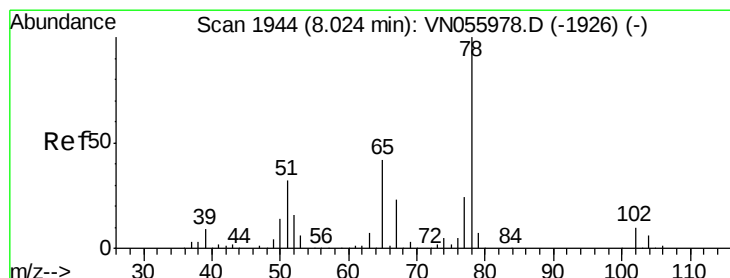
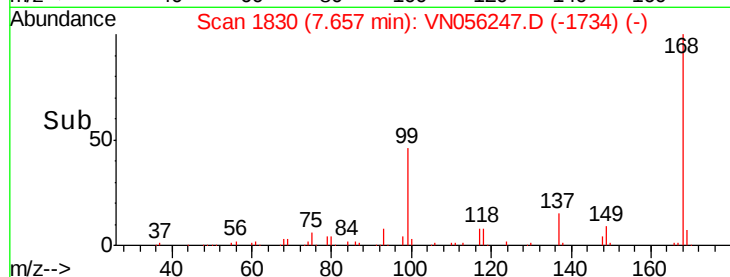
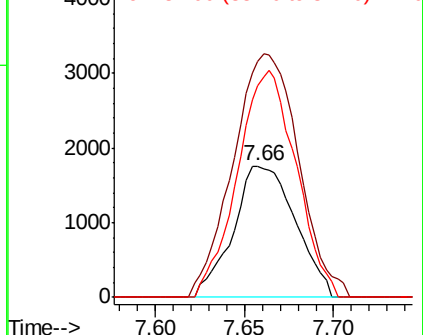
84 161.1 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.457 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN056247.D

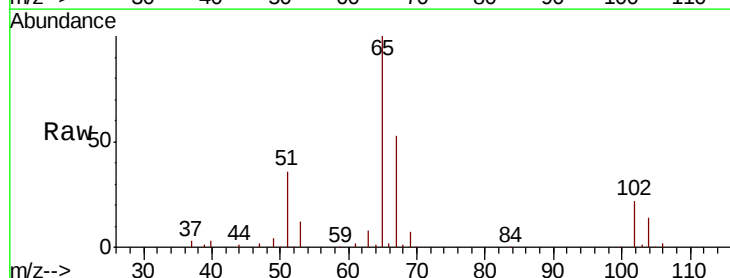
Acq: 12 Jun 2019 14:34

Tgt Ion: 65 Resp: 151350

Ion Ratio Lower Upper

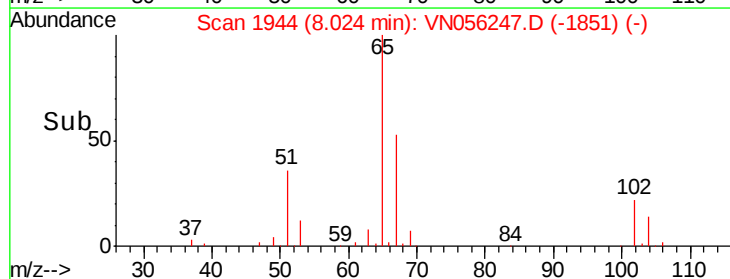
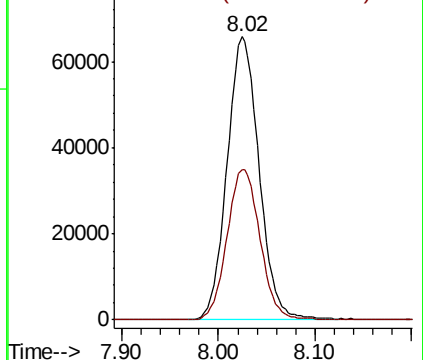
65 100

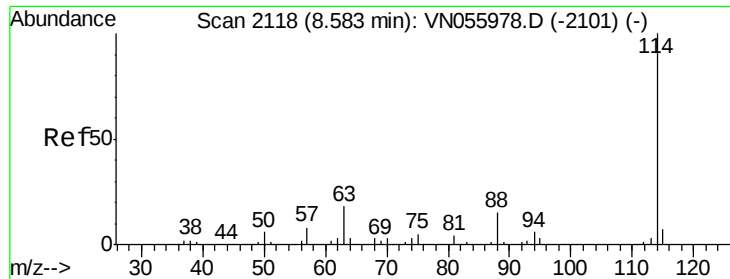
67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

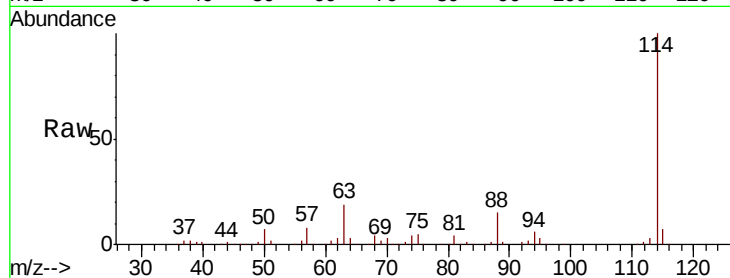




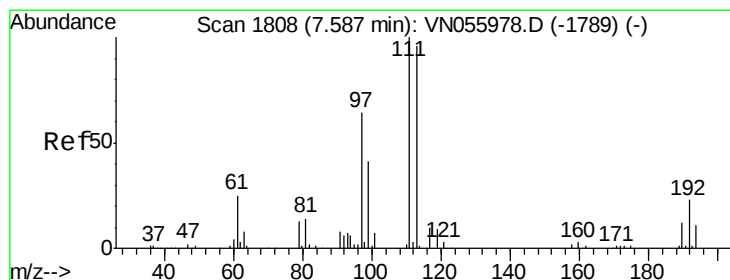
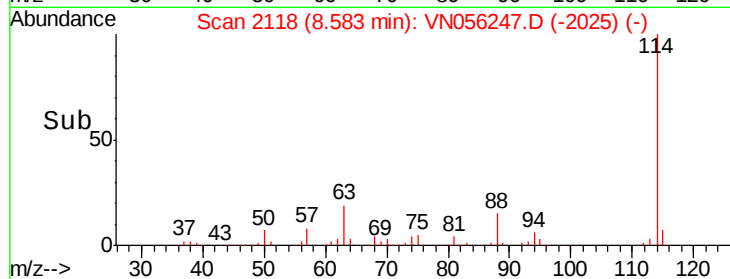
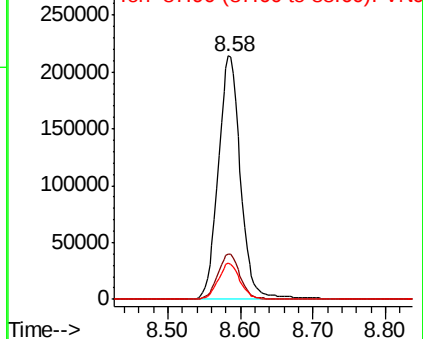
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056247.D
Acq: 12 Jun 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20190607

Tot Ion:114 Resp: 455653
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 14.8 0.0 31.0

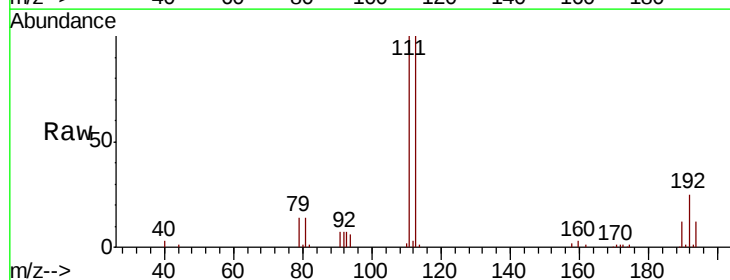


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

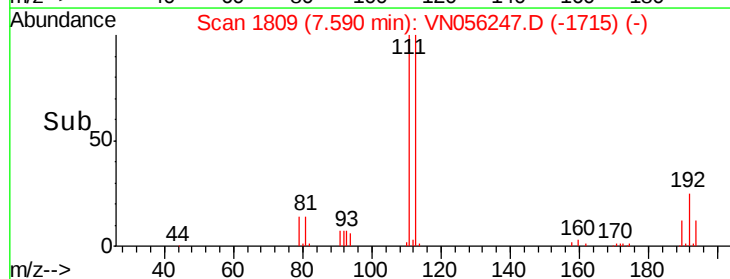
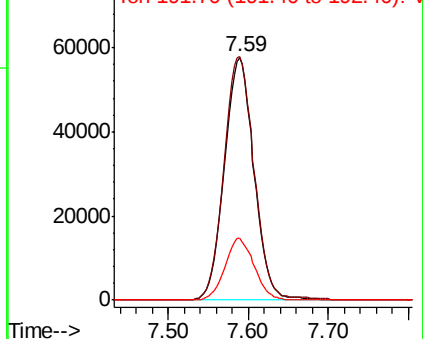


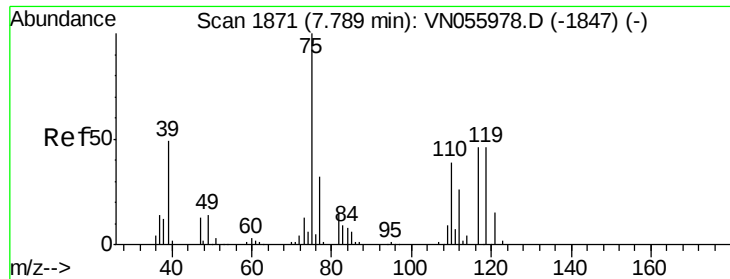
#35
Dibromofluoromethane
Concen: 51.914 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056247.D
Acq: 12 Jun 2019 14:34

Tgt Ion:113 Resp: 145131
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 25.0 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

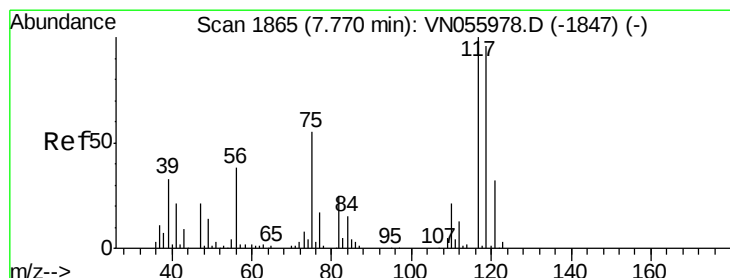
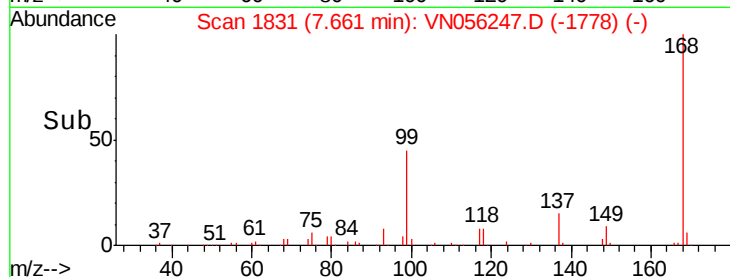
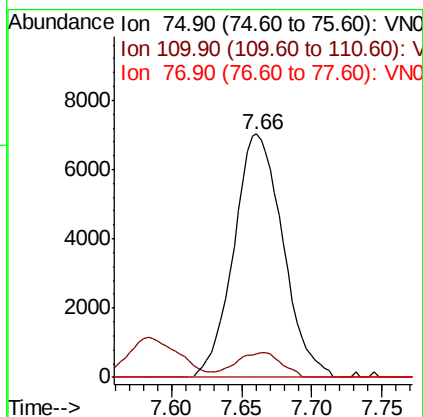
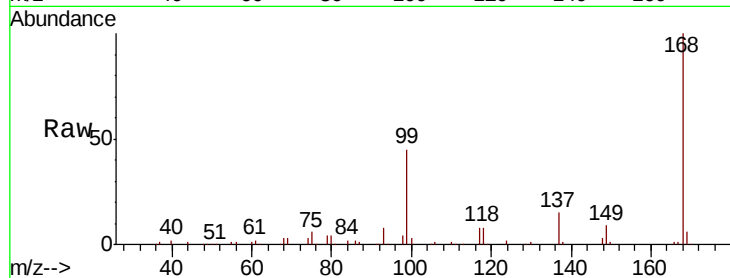




#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056247.D
 Acq: 12 Jun 2019 14:34

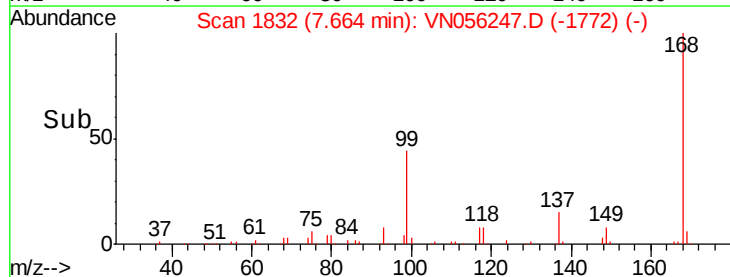
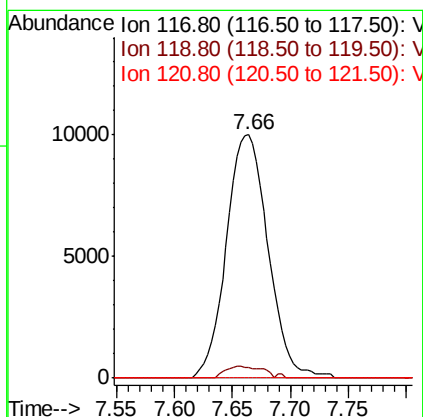
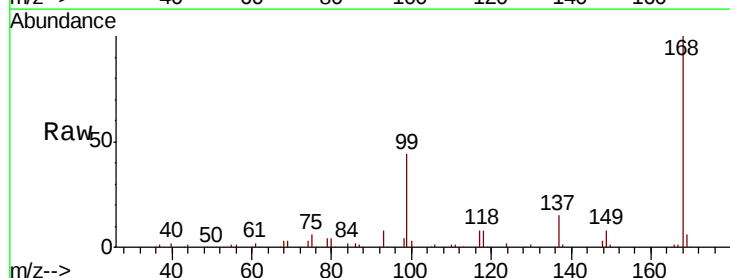
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20190607

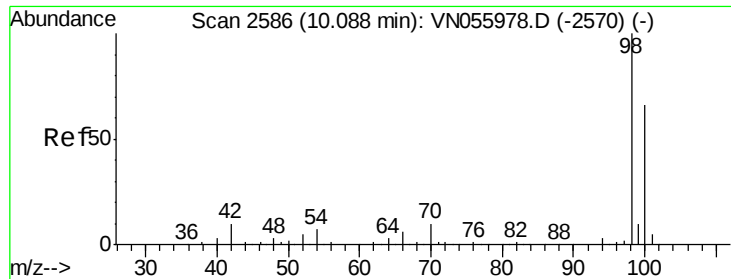
Tot Ion	75	Resp	17078
Ion Ratio	Lower	Upper	
75	100		
110	9.7	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.926 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056247.D
 Acq: 12 Jun 2019 14:34

Tgt Ion	117	Resp	25017
Ion Ratio	Lower	Upper	
117	100		
119	4.1	79.0	118.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 50.923 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

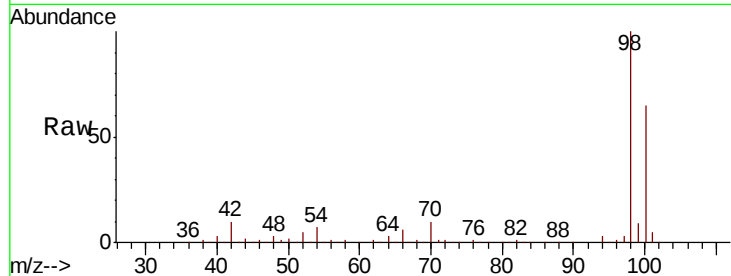
DUP04-20190607

Tot Ion: 98 Resp: 547804

Ion Ratio Lower Upper

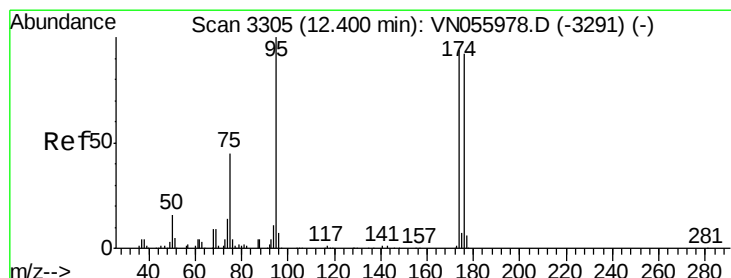
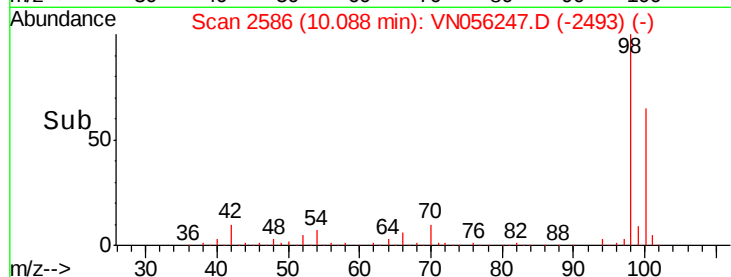
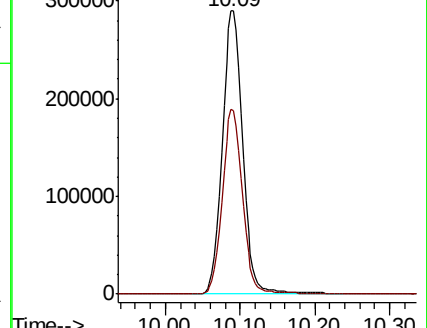
98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 47.569 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

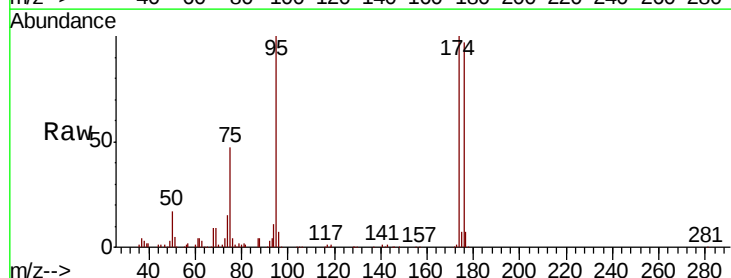
Tgt Ion: 95 Resp: 174023

Ion Ratio Lower Upper

95 100

174 99.7 0.0 191.0

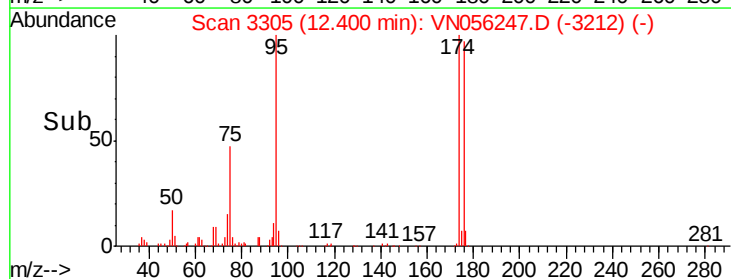
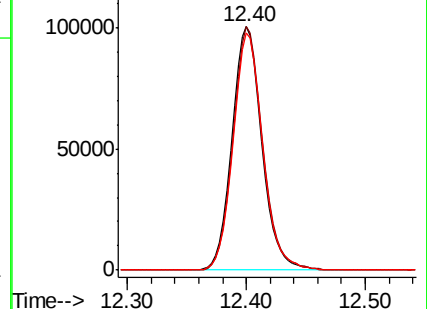
176 96.8 0.0 185.2

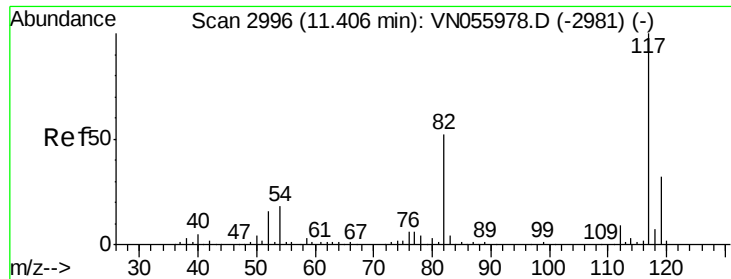


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

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ClientSampleId :

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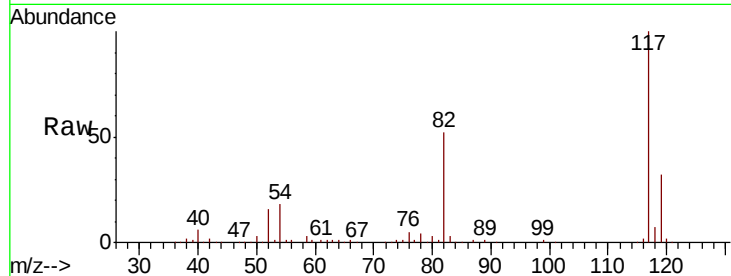
Tot Ion:117 Resp: 441280

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

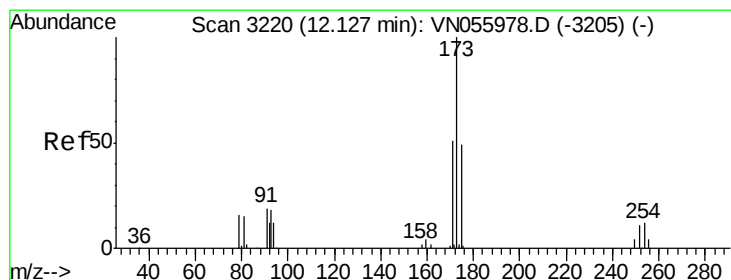
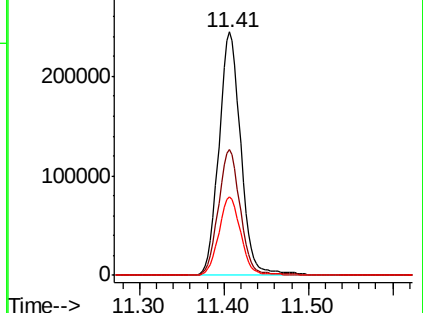
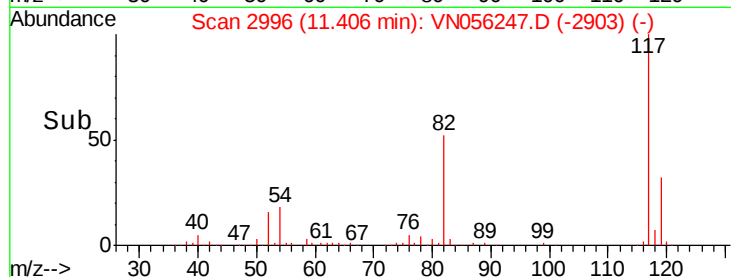
119 32.3 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

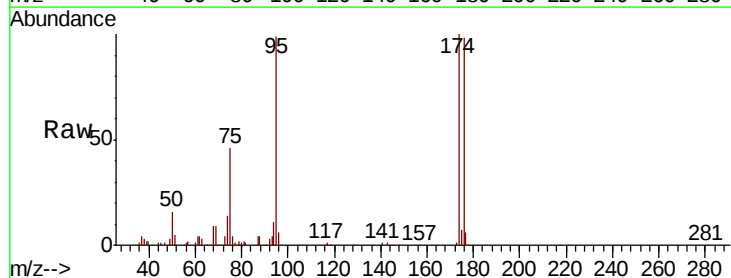
Tgt Ion:173 Resp: 1324

Ion Ratio Lower Upper

173 100

175 809.2 24.3 72.8#

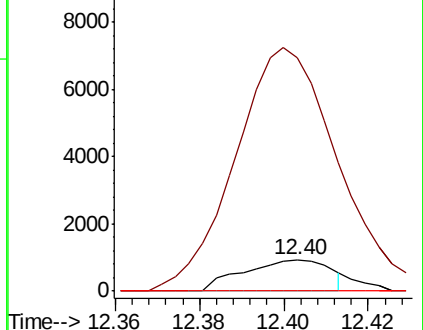
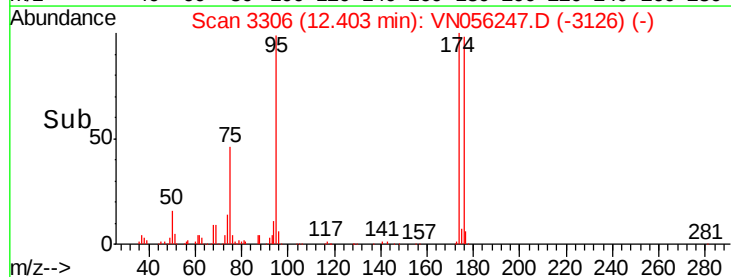
254 0.0 0.0 0.0

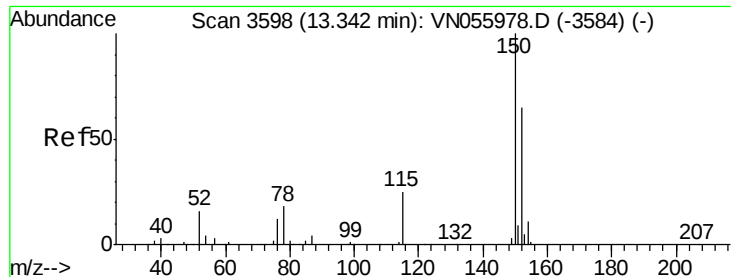


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190607

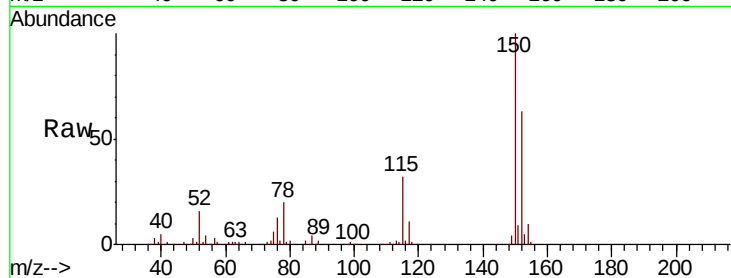
Tot Ion:152 Resp: 142045

Ion Ratio Lower Upper

152 100

115 51.2 27.0 81.0

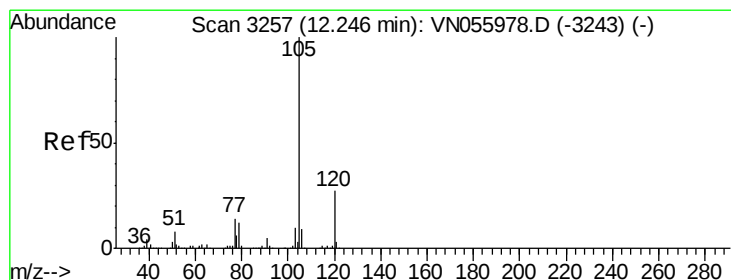
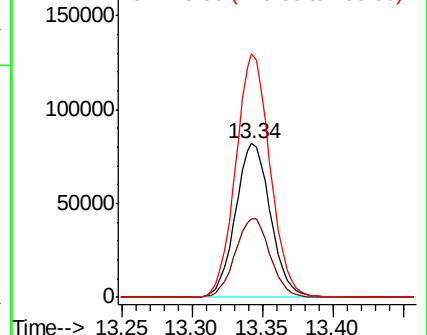
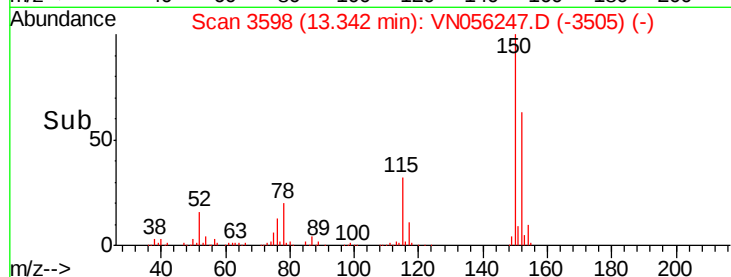
150 155.8 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056247.D

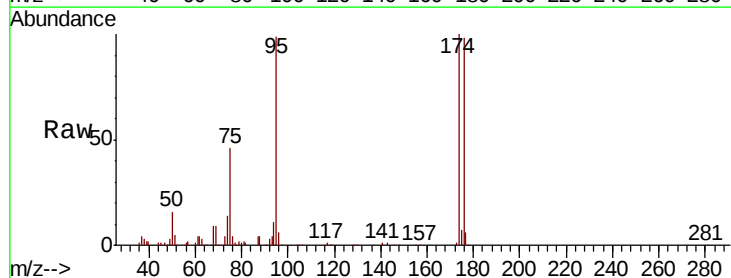
Acq: 12 Jun 2019 14:34

Tgt Ion:105 Resp: 114

Ion Ratio Lower Upper

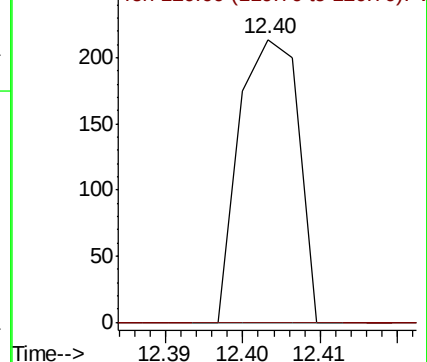
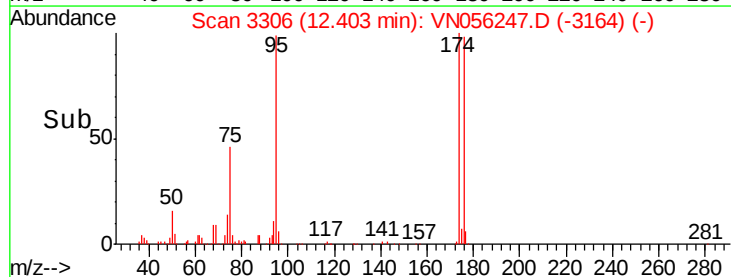
105 100

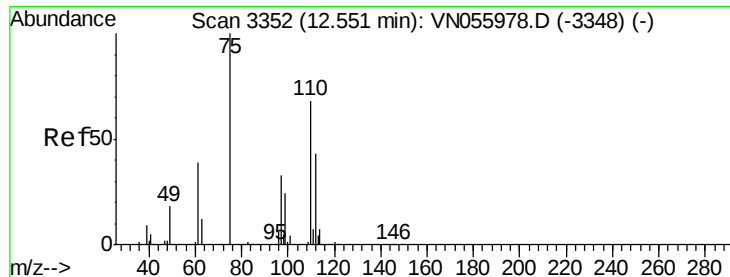
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 31.287 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

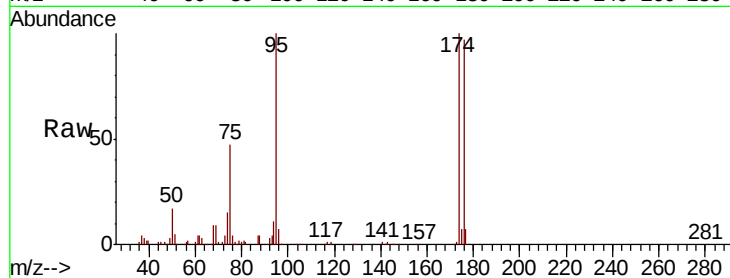
DUP04-20190607

Tot Ion: 75 Resp: 81775

Ion Ratio Lower Upper

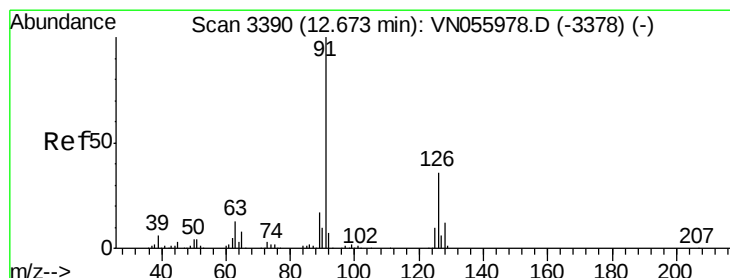
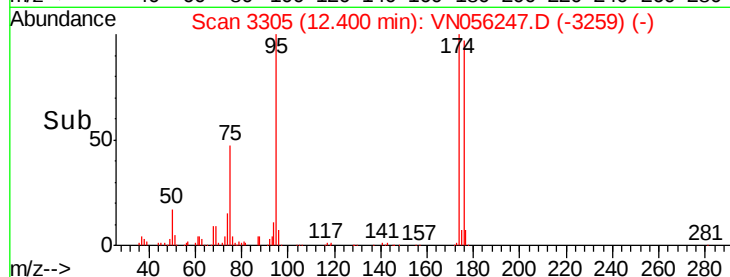
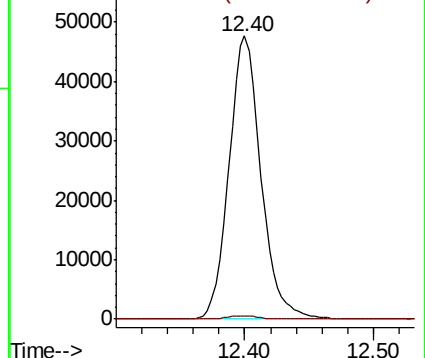
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056247.D

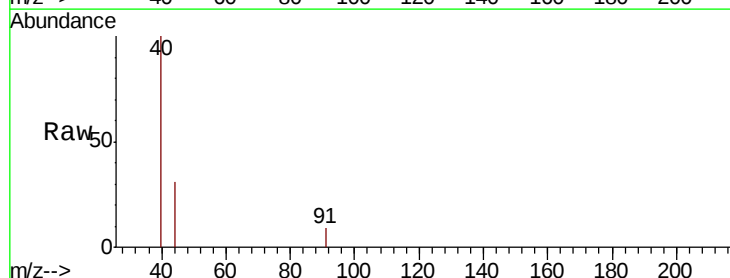
Acq: 12 Jun 2019 14:34

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

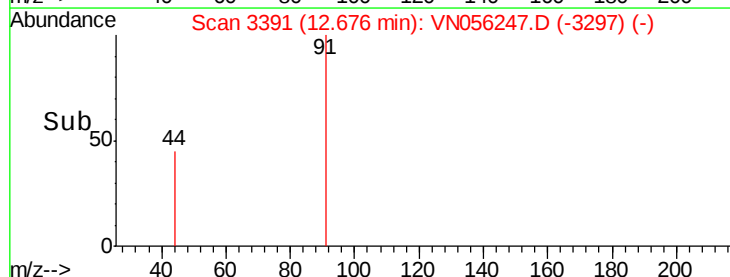
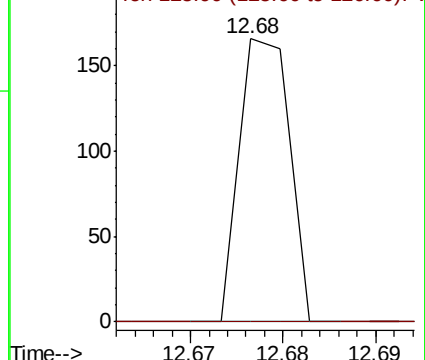
91 100

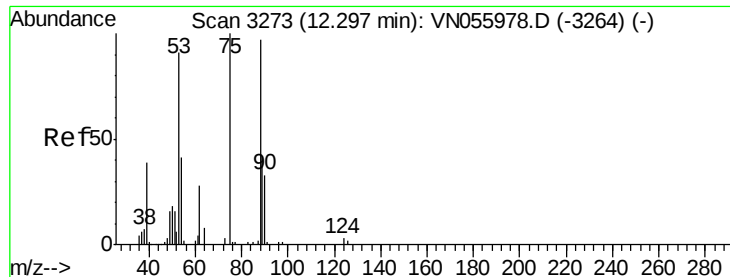
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.192 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190607

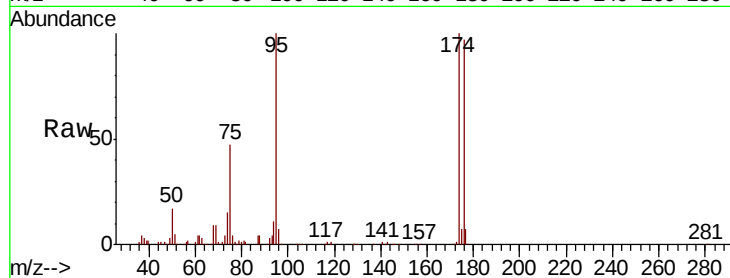
Tot Ion: 75 Resp: 81775

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

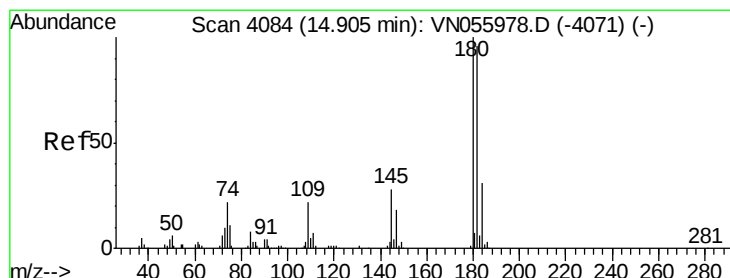
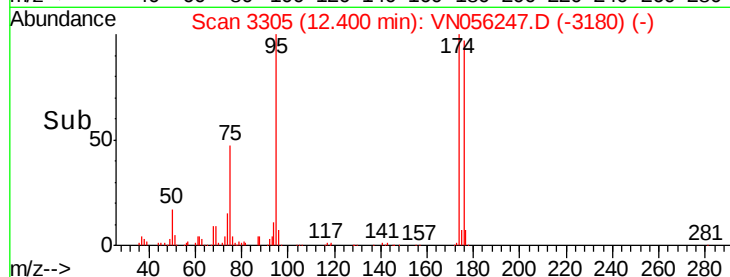
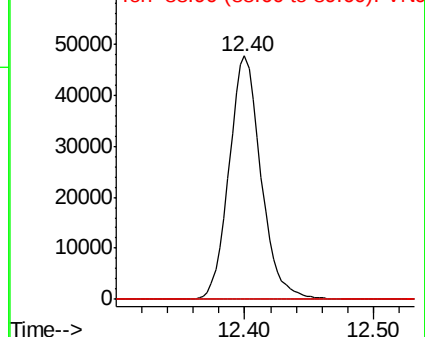
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.412 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.02 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

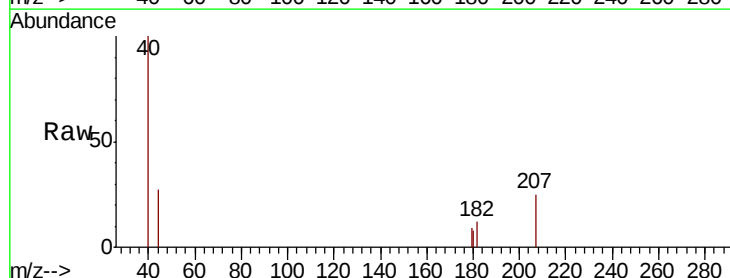
Tgt Ion: 180 Resp: 406

Ion Ratio Lower Upper

180 100

182 125.1 48.3 144.9

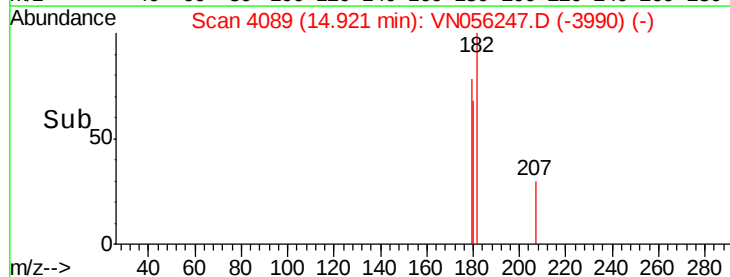
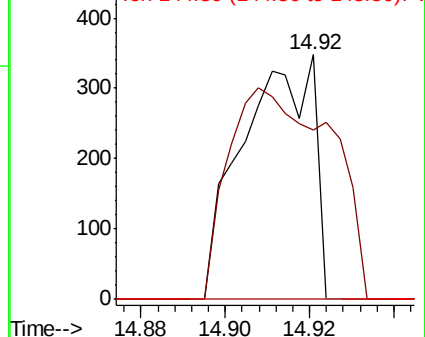
145 0.0 14.0 41.9#

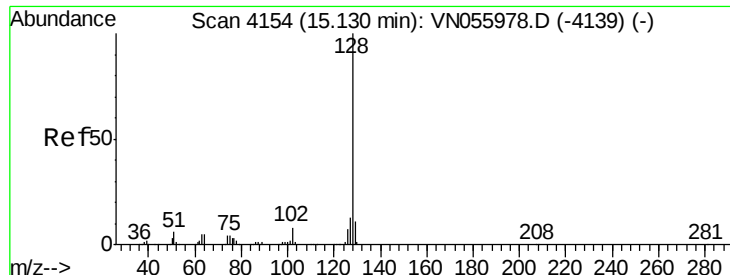


Abundance Ion 179.80 (179.50 to 180.50): VN055978.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055978.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055978.D (-4071) (-)





#95

Naphthalene

Concen: 3.972 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190607

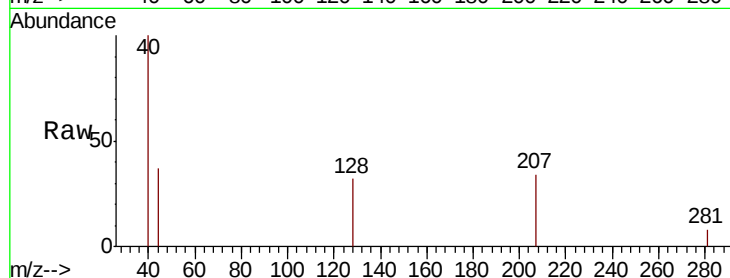
Tot Ion:128 Resp: 892

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

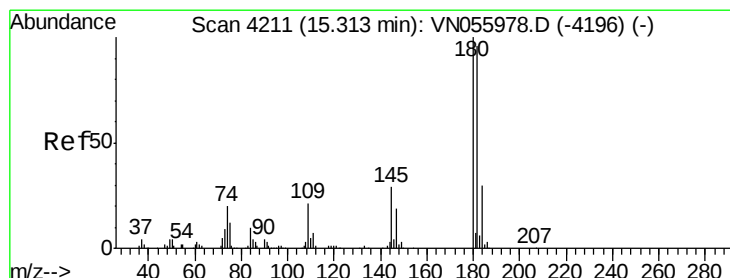
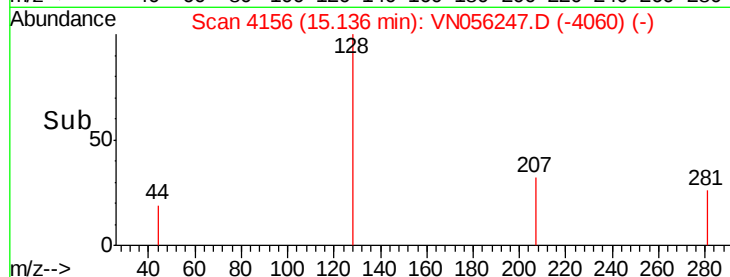
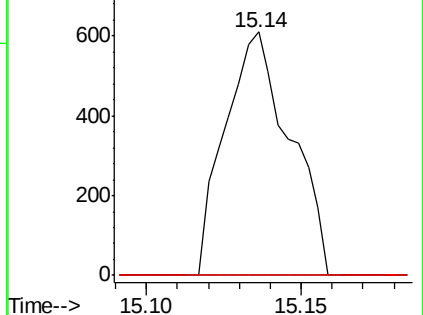
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.228 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056247.D

Acq: 12 Jun 2019 14:34

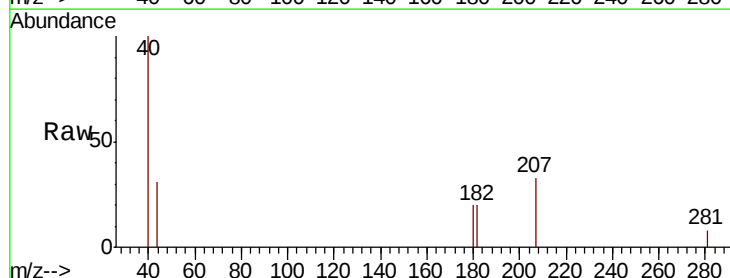
Tgt Ion:180 Resp: 559

Ion Ratio Lower Upper

180 100

182 86.8 47.9 143.7

145 5.4 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

